



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Joshua D. Karnes; Martin Lindquist; Louis E. Fischer  
Assignee: Cisco Technology, Inc.  
Title: SMALL-FOOTPRINT FUSE  
Serial No.: 09/982,733 Filing Date: October 18, 2001  
Patent No.: 6,873,243 B1 Date of Patent: March 29, 2005  
Examiner: Anatoly Vortman Group Art Unit: 2835  
Docket No.: CIS0143US

Certificate  
SEP 09 2005  
of Correction

Austin, Texas  
August 31, 2005

ATTN: CERTIFICATE OF CORRECTION BRANCH  
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REQUEST FOR ENTRY OF CERTIFICATE OF CORRECTION

Sir:

Please enter the enclosed Certificates of Correction (PTO Form 1050) in the above patent.

The errors sought to be corrected were made by

☒ the Patent and Trademark Office. Thus, no fee is required for the Certificate of

Correction pursuant to 37 CFR §1.322.

☐ Applicant(s) (at least in part). See next section for explanation. The appropriate fee under 37 CFR §1.323 has been authorized below.

Please correct the errors, as noted in the enclosed Certificates of Correction, made by the USPTO. All inquiries concerning this request should be directed to the undersigned attorney at (512) 439-5084.

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Attn: Certificate Of Correction Branch Of The Patent Issue Division, Commissioner For Patents, P. O. Box 1450, Alexandria, VA 22313-1450, on August 31, 2005.

Attorney for Applicant(s)

Date of Signature

Respectfully submitted,

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SEP 02 2005

## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO. : 6,873,243 B1  
ISSUE DATE : March 29, 2005  
INVENTOR(S) : Joshua D. Karnes; Martin Lindquist; Louis E. Fischer

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

At Column 9, line 63, Claim 1 should read as follows:

- 1. A fuse assembly comprising:
- a fuse element prepared in a substantially non-linear form, the fuse element comprising at least two terminals, the at least two terminals comprising a first terminal and a second terminal;
  - at least two conductive endcaps, the at least two conductive endcaps comprising a first conductive endcap coupled to said first terminal and a second conductive endcap coupled to said second terminal and
  - a fuse body comprising a dielectric material adapted to substantially enclose the fuse element between the at least two endcaps, wherein
  - a first portion of the dielectric material is positioned in an area bounded by said fuse element and a straight line connecting said first terminal and said second terminal to impede arcing across the fuse element, and
  - a second portion of the dielectric material is positioned directly between said first conductive endcap and said second conductive endcap to impede arcing between said first conductive endcap and said second conductive endcap.--

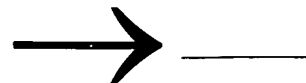
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PATENT NO. 6,873,243 B1

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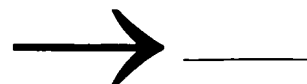
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It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

At Column 11, line 1, Claim 14 should read as follows:

- 14. A method of reducing a footprint of a fuse element, the method comprising:  
preparing the fuse element in a substantially non-linear form, the fuse element comprising at least two terminals, the at least two terminals comprising a first terminal and a second terminal, the footprint being reduced by adjusting a distance between the first terminal and the second terminal;  
coupling the fuse element between at least two conductive endcaps, the at least two conductive endcaps comprising a first conductive endcap coupled to said first terminal and a second conductive endcap coupled to said second terminal;  
and  
enclosing the fuse element in a dielectric material, wherein  
a first portion of said dielectric material is positioned in an area bounded by said fuse element and a straight line connecting said first terminal and said second terminal, and  
a second portion of said dielectric material is positioned directly between said first conductive endcap and said second conductive endcap to impede arcing between said first conductive endcap and said second conductive endcap.—

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It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

At Column 12, line 12, Claim 27 should read as follows:

—27. A method of increasing dielectric separation between at least two terminals of a fuse element that experience arcing, the method comprising:

- preparing the fuse element in a substantially non-linear form;
- coupling the fuse element between at least two conductive endcaps, the at least two conductive endcaps comprising a first conductive endcap coupled to a first terminal of said at least two terminals and a second conductive endcap coupled to a second terminal of said at least two terminals; and
- enclosing the fuse element in a dielectric material, wherein
  - a first portion of said dielectric material is positioned in an area bounded by said fuse element and a straight line connecting said first terminal and said second terminal to impede arcing across the fuse element, and
  - a second portion of said dielectric material is positioned directly between said first conductive endcap and said second conductive endcap to impede arcing between said first conductive endcap and said second conductive endcap.—

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PATENT NO. : 6,873,243 B1  
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INVENTOR(S) : Joshua D. Kames; Martin Lindquist; Louis E. Fischer

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

At Column 13, line 23, Claim 40 should read as follows:

- 40. A method of impeding arcing occurring across a gap formed in a fuse element, the method comprising:  
creating the gap in the fuse element, the gap being created as a result of heat generated in response to  
excessive current flowing through the fuse element, the fuse element being prepared in a  
substantially non-linear form; and  
forcing the arcing across the gap to traverse a path consistent with the substantially non-linear form,  
wherein  
said fuse element is enclosed by a dielectric material and comprises at least two terminals, the  
at least two terminals comprising a first terminal coupled to a first conductive endcap  
and a second terminal coupled to a second conductive endcap,  
a first portion of said dielectric material is positioned in an area bounded by said fuse element  
and a straight line connecting said first terminal and said second terminal to impede  
the arcing, and  
a second portion of said dielectric material is positioned directly between said first conductive endcap  
and said second conductive endcap to impede arcing between said first conductive endcap  
and said second conductive endcap.--

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